



PATENT  
00580P00354US

Application of: ) Process Control Instrument  
Michael D. Flasz et al. ) Intrinsic Safety Barrier  
Serial No.: 10/675,666 )  
Filed: September 30, 2003 ) Group Art Unit: 2821  
 )  
 ) Examiner: Cao, Huedung X.

### COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The Examiner's Statement of Reasons for Allowance accompanying the Notice of Allowability regarding claims 19 and 25 indicated that the prior art failed to specifically teach "an intrinsic safety circuit coupling the control circuit to the antenna comprising the circuit board first side including a microstrip quarter wavelength first sub electrically connected to the control circuit and a ground plane proximate the first stub, the circuit board second side including a microstrip quarter wavelength second stub galvanically isolated from the first stub and electrically connected to the center conductor, the second stub being positioned to couple microwave energy from the control circuit to the antenna, and a ground pad, underlying the ground plane, electrically connected to the shield."

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37 CFR 1.8

### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service, as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on August 22, 2005.

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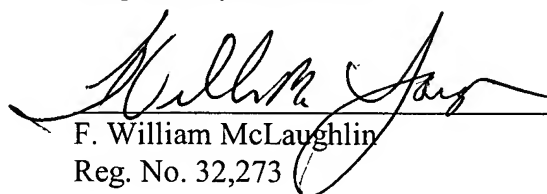


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Applicants agree that the prior art does not provide any such teachings. However, regarding claim 19, the claim does not specify that the first microstrip stub or the second microstrip stub comprise a quarter wavelength stub. Also, claim 19 does not specify that the second stub is galvanically isolated from the first stub or that the second stub is positioned to couple microwave energy from the control circuit to the antenna. Therefore, such limitation should not be read into any interpretation of independent claim 19, or its dependent claims 20-24, unless specifically recited therein.

Respectfully submitted,

Date: August 22, 2005

  
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